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### Authors

Ribak, CE  
Perez, ZD  
Shapiro, LA

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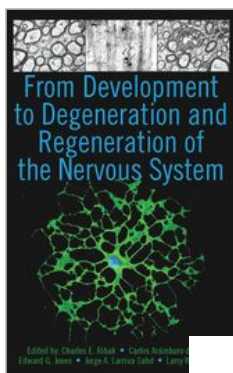
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## From Development to Degeneration and Regeneration of the Nervous System

Charles E. Ribak, Carlos Aramburo de la Hoz, Edward G. Jones, Jorge A. Larriva Sahd, and Larry W. Swanson

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# Developmental Profile of Newly Generated Granule Cells in the Adult Rodent Dentate Gyrus



Charles E. Ribak

Zachary D. Perez

Lee A. Shapiro

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This chapter focuses on the newly generated dentate granule cells in the adult rodent and describes the developmental profile of their dendrites and axons. Topics covered include progenitor cell types in the adult dentate gyrus, dendritic growth of newly generated granule cells in adult rats, spatiotemporal profile of dendritic outgrowth, synapses on the apical dendrites of newly generated granule cells in the adult, and axonal growth of newly generated granule cells in adult rats.

**Keywords:** dentate granule cells, dendrites, axons, rats, axonal growth

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